# Mini 1206

## Luidspreker en geluidscapsule





Specificatieblad
Status: 09/2026

## Importeur

| | |
|---|---|
| Naam en adres | Tams Elektronik GmbH<br>Fuhrberger Str. 4 \| 30625 Hannover \| Duitsland |
| Artikelnummer van de importeur | 70-03032-01 |
| Inhoud van de levering | 1 luidspreker, 1 geluidscapsule |

## Technische gegevens

| | |
|---|---|
| Nettoafmetingen | 12 x 6 x 2,7 mm (± 0,2 mm) |
| Afmetingen met geluidscapsule | 12 x 6 x 6,5 mm (± 0,2 mm) |
| Nominale belasting | 1,0 W |
| Maximale belasting | 1,5 W |
| Nominale impedantie | 6 Ohm (± 15%) |
| Frequentiebereik (-10 dB) | 700–20.000 Hz |
| Gemiddeld geluidsdrukniveau | 73 ± 3dB (1 W/1 m) |
| Resonantiefrequentie fs | 1.300 Hz (± 20%) |
| Lengte van de aansluitkabel | 40 mm |
| Nettogewicht | 0,6 g |
| Gewicht inclusief geluidskapsel | 0,8 g |
| Materiaal geluidscapsule | PLA (polylactide) |

## Fabrikant van de luidspreker

| | |
|---|---|
| Naam en adres | Shenzhen Kaiboer Electronic Technology Co., Limited \| China |
| Benaming van de fabrikant | 1206 Speaker |
| Artikelnummer van de fabrikant | KBE1206S2.7H-L60 |

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# SPECIFICATION

## SHEET FOR APPROVAL

Customer：

Nomenclature： **1206 SPEAKER**

Item No.：

Your Part No.：

Our Part No.： **KBE1206S2.7H-L60**

Version： **V1.0**

Date： **2025.09.12**

| CUSTOMER<br>客户 | APPROVER<br>审批 | CHECKER<br>制作 |
|---|---|---|
| | | 何先朋 |

KAIBOER


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| KAIBOER 深圳市凯博尔电子科技有限公司 | SPECIFICATIONS | | ITEM NO. | 1/7 |
|---|---|---|---|---|
| | MODEL NO. | KBE1206S2.7H-L60 | SPEC. No | 25091201 |

| | | |
|---|---|---|
| 1 | 产品概要/PRODUCT OUTLINE | |
| | 1-1 适用范围/SCOPE | This specification is applied to mobile phone. |
| | 1-2 尺寸/DIMENSIONS | As shown in fig (3) |
| | 1-3 大小/SIZE | L12mm * W6mm * H2.7mm. |
| | 1-4 重量/NET WEIGHT | APPROX. /g |
| | | |
| 2 | 标准试验状态<br>Standard Test Condition | 一般规格试验状态（特殊要求除外）<br>常温 15～35℃，常湿 25%～75%，气压 860～1060hPa<br>但判定上有疑问时，试验状态为：<br>温度 23±1℃，相对湿度 48%～52%，气压 860～1060hPa |
| | | The test conditions unless otherwise specified should be<br>Normal temperature 15 to 35℃,Normal humidity 25 to 75%<br>And normal atmospheric pressure 860 to 1060hPa<br>However,if there arises a doubt in judgement,the test conditions shall be as follows:<br>Temperature 23±1℃<br>Humidity 48%～52%<br>Atmosphere 860～1060hPa |

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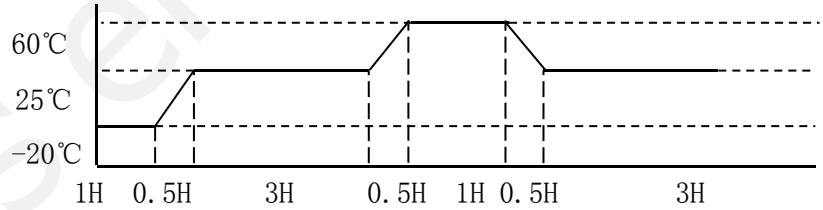
| PREPARED | CHECKED | APPROVED |
|---|---|---|
| *He* | *Yang* | *Wang* |

| KAIBOER 深圳市凯博尔电子科技有限公司 | SPECIFICATIONS | | ITEM NO. | 2/7 |
|---|---|---|---|---|
| | MODEL NO. | KBE1206S2.7H-L60 | SPEC. No | 25091201 |

| | | |
|---|---|---|
| 3 | 电气规格/ELECTRICAL SPECIFICATIONS | |
| | 3-1 输出音压位准<br>SOUND PRESSURE LEVEL | 73±3dB (at 1200,1500,2000,2500Hz AVG )<br>Measurement is as shown in fig(1), Input: 0.1W/10cm |
| | 3-2 阻抗<br>IMPEDANCE | 6±15% Ohm (at 5kHz) |
| | 3-3 频宽回应<br>FREQUENCY RESPONSE | As shown in fig(2) |
| | 3-4 额定输入功率<br>Rate Input Power | 1.0W (in 1CC box) |
| | 3-5 最大输入功率<br>Max Input Power | 1.5W (in 1CC box) |
| | 3-6 异常音测试<br>Buzzes & Rattles | Must be free audible noise<br>[From 200 Hz to 5KHz frequency range, Input: 2.45V (in 1CC box)] |
| | 3-7 最低共振频率<br>LOWEST RESONANCE FREQUENCY | 1300±20% Hz |
| | 3-8 有效频宽<br>FREQUENCY RANGE | F0～20KHz |
| | 3-9 失真率<br>DISTORTION | Test conditions:0.1W/0.1m at2000Hz≤10% |
| | 3-10 工作温度<br>OPERATING TEMPERATURE | -20℃to +60℃ |
| | 3-11 贮存温度<br>STORE TEMPERATURE | -30℃to +70℃ |

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| PREPARED | CHECKED | APPROVED |
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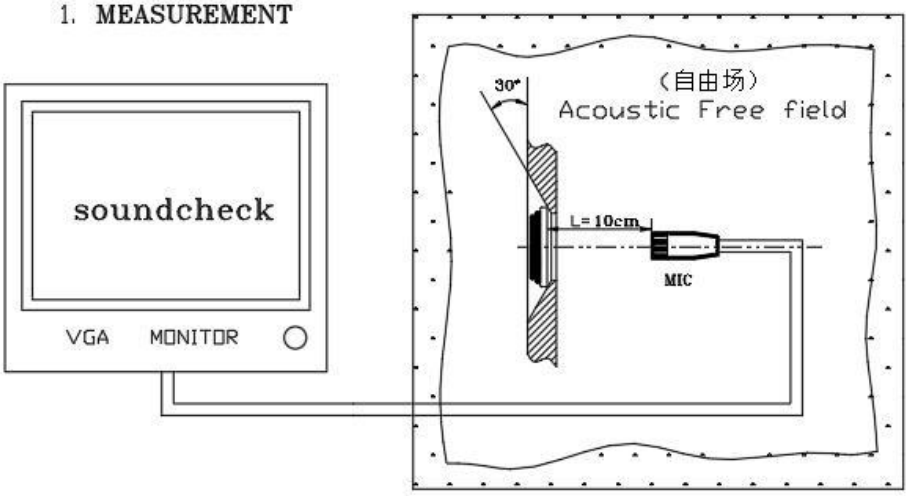
| | | |
|---|---|---|
| 4 | 信赖性试验/RELIABLE TEST | |
| | 4-1 概述<br>GENERAL | After any following tests the response at 1 K Hz shall not deviate more than ±3 dB from the initial value |
| | 4-2 负载试验<br>LOAD TEST | 输入电压 / Input Power : 2.45V (in 1CC box)<br>输入信号 / Input Signal : white noise<br>时 间 / Duration : 96 hours<br>试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20℃ |
| | 4-3 湿度试验<br>HUMIDITY TEST | 温 度 / Temperature : +40℃±3℃<br>相对湿度 / Relative Humidity : 90%~95% R.H.<br>时 间 / Duration : 96 hours<br>试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20℃ |
| | 4-4 低温试验<br>LOW TEMPERATURE TEST | 温 度 / Temperature : -30℃±3℃<br>时 间 / Duration : 96 hours<br>试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20℃ |
| | 4-5 高温试验<br>HIGH TEMPERATURE TEST | 温 度 / Temperature : +70℃±3℃<br>时 间 / Duration : 96 hours<br>试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20℃ |
| | 4-6 温度循环试验<br>TEMPERATURE CYCLES TEST | TEMPERTURE:<br><br><br>循环次数 / Cycles : 10 Cycles<br>试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20℃ |
| | 4-7 落地试验<br>TEST DROP TEST | 落下方向 / Direction : 1 corner,3 sides,6 faces<br>落下回数 / Times : Once in each directions<br>高 度 / Height : From 1.0m(on the concrete)<br>试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20℃<br>依包装实体一角三棱六面作自由落体试验后,实体外观需正常 |
| | 4-8 振动试验<br>VIBRATION TEST | 振 动 / Vibration : 10-55Hz<br>振 幅 / Amplitude : 1.5mm<br>时 间 / Times : 1 hour in each of 3axes<br>试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20℃ |

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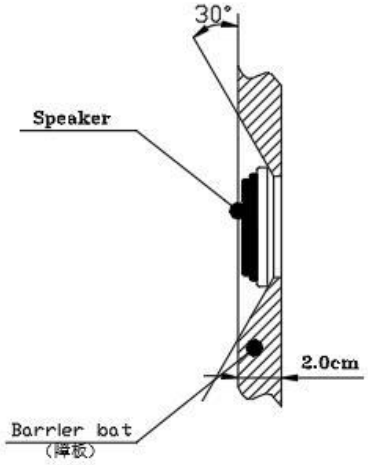
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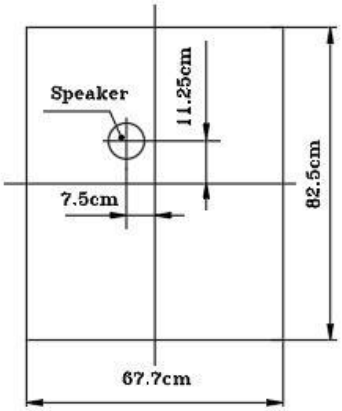
ELECTRICAL AND ACOUSTICAL MEASURING CONDITION (fig.1)

1. MEASUREMENT




2.Measurement Board(IEC-268-5)

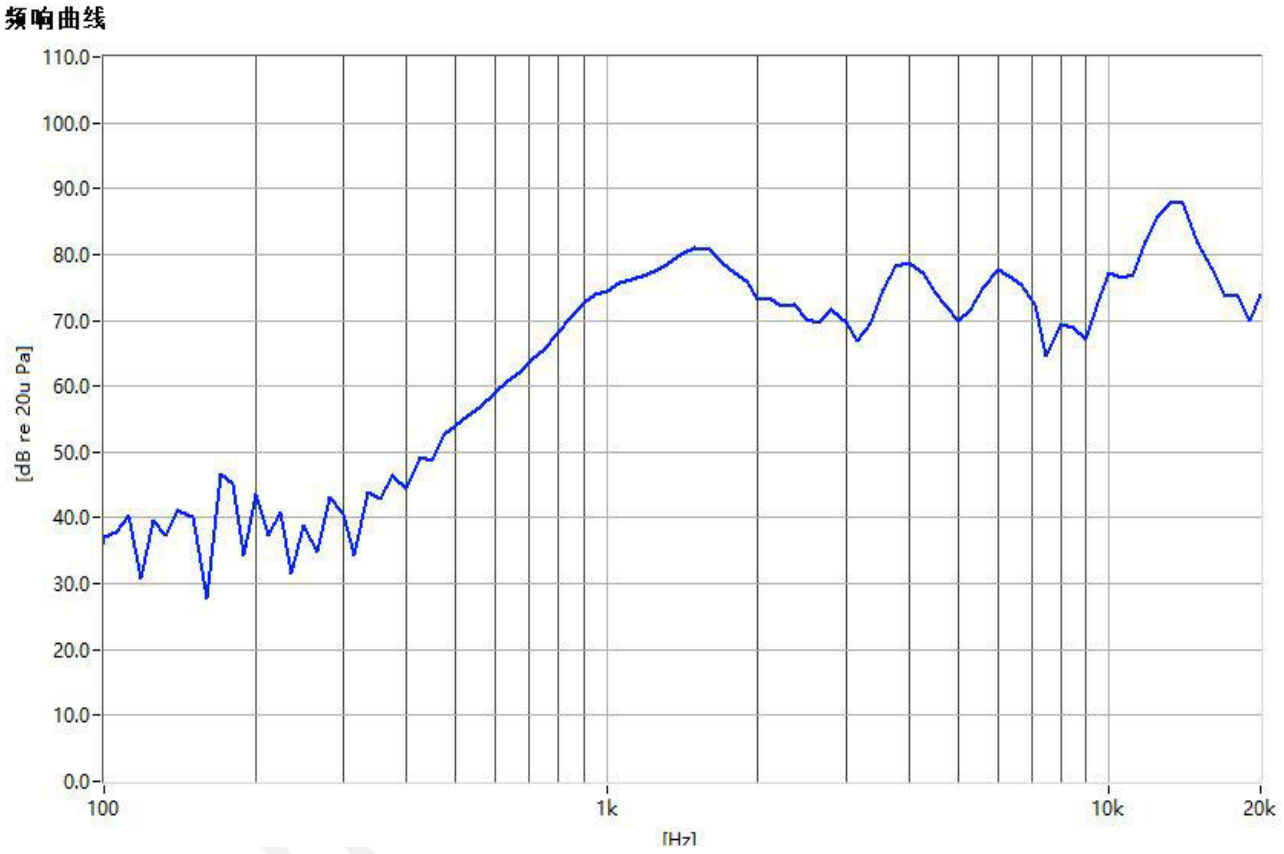


6

FREQUENCY RESPONSE （fig.2）

测试条件：0.1W/0.1m 1/12 倍频程（R40)

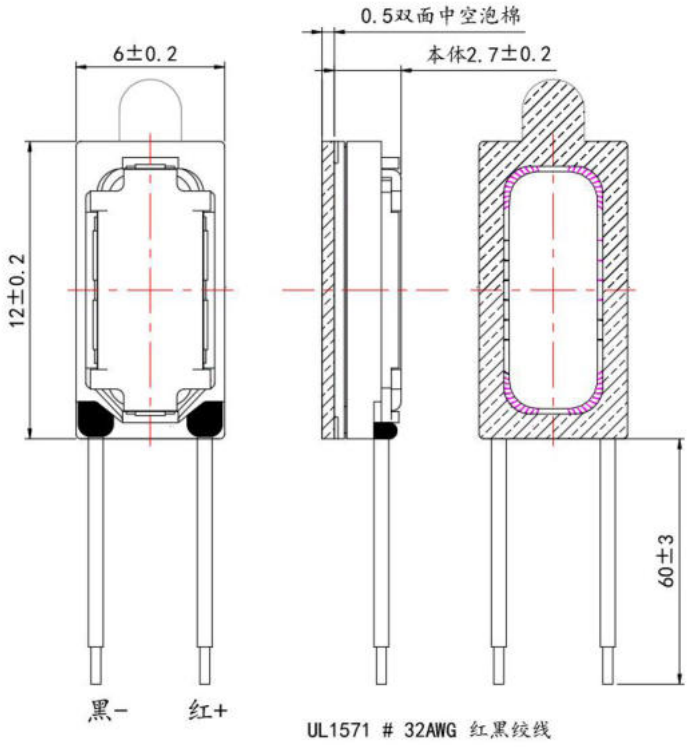



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DIMENSIONS（fig.3）

Unit:mm

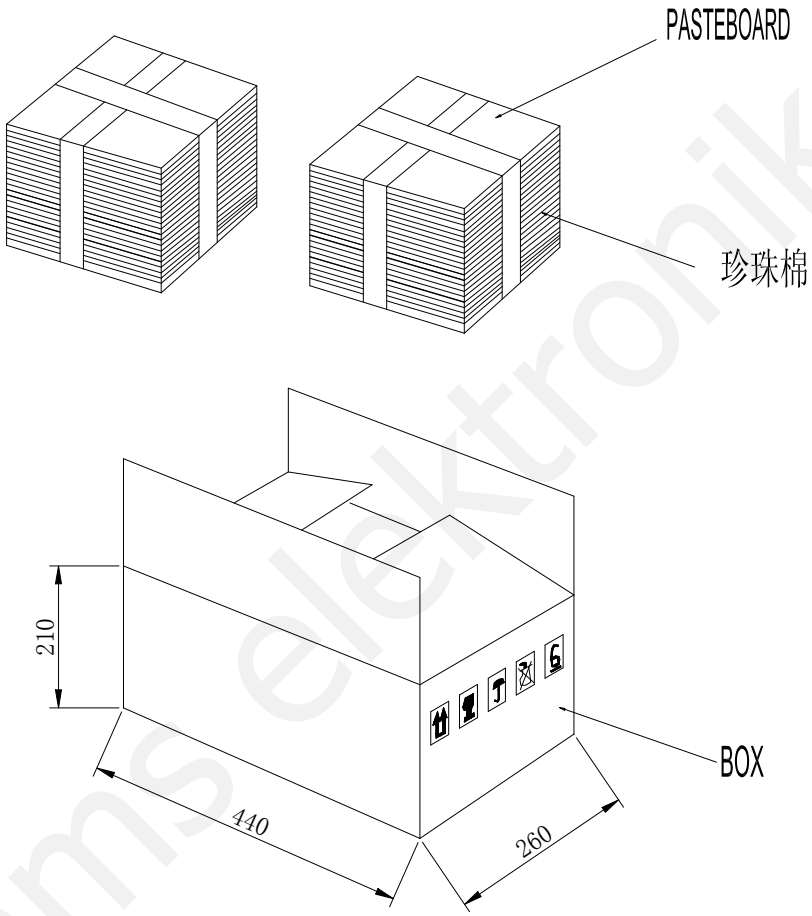



## *Bill of Material*

| | | | | |
|---|---|---|---|---|
| 9 | 电子线 ELECTRIC WIRE | PVC+CU | 1 | |
| 8 | 泡棉 FOAM | EVA | 1 | |
| 7 | 端子板 Terminal | PCB | 1 | |
| 6 | 音圈 VOICE COIL | COPPER WIRE | 1 | |
| 5 | 膜片 DIAPHRAGM | Complex film | 1 | |
| 4 | u 铁 U-YOKE | SPCE | 1 | |
| 3 | 极片 POLE PIECE | SPCC | 1 | |
| 2 | 磁钢 MAGNET | NdFB | 1 | |
| 1 | 主架 FRAME | Plastic | 1 | |
| ***编号 No.*** | ***零件名称 PART NAME*** | ***材料 MATERIAL*** | ***数量 Q'TY*** | ***备注 REMARK*** |

8

PRODUCT PACKAGE（fig.4）




UNIT:MM

NOTES:

1. 100 PCS PER TRAY PE PAN.
2. 2000 PCS PER CARTONS.
3. 2 CARTONS PER BOX.
4. 2000 PCS PER BOX.

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